



OTVARC

March, 1982

OREGON TUALATIN VALLEY AMATEUR RADIO CLUB
Po Box 5132 Beaverton, Oregon 97006

Meeting: Wednesday, March 17 at 7:00 pm...
Coffee-Orange Juice-Cookies at BREAK time...

PGE AUDITORIUM-MURRAY AND SCHOLLS FERRY ROAD-BEAVERTON

President:	Dick Powers	WB7ADM	Trustee:	Bob Orr	KB7CC
Vice-Pres:	Randy Cobb	KA7HJT	Trustee:	Mark Walker	W7CLU
Secretary:	Linda Cereghino	N7CZY	Trustee:	Al Berg	WB7SIC
Treasurer:	Warren Knight	N7BIJ	Trustee:	Roger Steyaert	K7RXV
			Trustee:	Bill Whiting	WA6VPA

WOW!!! What a busy meeting. We set records in all areas. Member attendance was a whopping 131! A record. Raffle gross of \$297.00! A record. The coffee, juice and cookie kitty came much closer to breaking even and as a result, our treasurer banked \$733.00. Don't let this fool you. A whole bunch of it goes by-by as expenses but just thought you might be interested in seeing how much of a job it is to handle the clubs financial duties. The attendance record is due to the efforts of Mark, W7CLU, and his program on antennas. A truly SUPER program and obviously appreciated, as per the attendance figure. The raffle figure is due in part to our 'Crazy Quad' committee. Four guys are robbing us blind with their colorful tickets and did you see the hats they came up with? Lettered across the front is 'OTVARC Commercial Sales Dept.' What a kick. Anyway, the meeting sure was a lot of fun and hope that the members will continue to give us such fantastic support. Got a letter from Susan Das, Darn Good Mama, and she says that Steve, N4BOS, (ex VP) is busy getting a club going in their new QTH in Texas. Also, DGM is expecting in August. Not a new call, a new baby! GREAT. Our congrats to you Steve. Did'nt know that you thought of anything other than radidios and Corvettes. Keep in touch. By the way, we will have TWO kegs at our field day! Think about it.....

Terry, WB7CHK, admitted to owning some CB equipment and his excuse was that he uses it for deer hunting. Now we all know that deer have big 'EARS' but are they tuned to 11m?? Maybe that's the secret to bagging a trophy buck? All you 'good buddies' out there take note. We had an unexpected celebrity in our midst at the Feb. meeting. D.A. Boyd, better known as WA7ZQP, made a showing and unfortunately most of the members did not notice. Tisch!!! Have you taken notice that DEW signs off backwards? On 2m that is. He claims to be left-handed and if that is the gospel, you are forgiven, Chuck. All you right-handed hams take note. The FCC says you give your call LAST. Us left handed people have allways been given a bum steer. EQUAL RIGHTS and all that stuff. Nobody seems to care! Lots more in store for you in this KING size letter.. Got carried away this month but there were so many announcements and things submitted that before we knew it, extra pages were a must. Have to sell extra ads this month!\$\$\$



Right on! Field day is only 15 weeks away and it is time that we start doing some planning for it. We will have in excess of 100 people attending and providing for this big group will take some planning. The club committees should start NOW to make sure that we have the bases covered. The members should start NOW to make plans. Wife, boss and etc.. The BIGEE of the year. JUNE 25-26-27! DON'T MISS IT!!!!!!

Repeater of the future

Tania Miller, WB9TKC

Roy Neal, K6DUE of NBC and others have given speeches over the past few years of the fantastic future of 2-meter handie-talkies with touch-tone pads, in particular. In every case, the future dream was one of a licensed Amateur Radio operator holding 2 watts or less in the palm of his hand and talking around the world.

That dream is coming true right here, and in just the way these people have visualized it. Instead of sitting back and visualizing it, Bob Heil, K9EID has built it! It is the 147.81/21 Marissa Amateur Radio Club repeater system.

It is not an ordinary repeater. There are presently three receiver sites and one transmitter site. The system is built to handle access codes from touch-tone pads. Today the members use such codes to bring up ID tapes with famous voices, the talking clock's voice, the autopatch and a re-set timer when 10 seconds of "beeps" are heard, telling you the station they're listening to is about to time the repeater out.

Mid-winter — when this new system is up — members will be able to sit at home with family and friends, or be mobile, use their handie-talkie touch-tone pads and, using similar access codes, talk to people on distant repeaters a few states away. Once the access code is punched, two tones will come back to tell you it went through and you can dial up other repeaters. A TR-9000 remote base makes this possible in the club's meeting room.

Members can also punch up an access code to turn a beam antenna the right direction. If you need to talk to a city with no 2-meter repeater, they can dial up 2-meter SSB to a particular frequency AND turn the beam antenna in the correct direction for it with their touch-tone pads.

In 1982, the Phase III OSCAR satellite will be launched and hopefully put into successful orbit. Members can dial it up using the 81/21 repeater system. During the pass, when Eastern Europe is in, they will talk to Europeans with 1 or 2 watts and a rubber duckie in their hand. If South Africa or Australia is in, they will be able to hear it and talk to it through this system.

"Intertie" describes this link-in type of system is tip and distant repeaters are tied into it. This will ID as soon as the access code is completed.

When members hear a low-tone CW IDer, the repeater is being used locally. When a high tone is heard, the intertie.

Bob has already demonstrated this new system, using a handie-talkie to bring up one receiver strip after another. The working system consists of 220 MHz links, 2-meter strips, control panels and interties. Members can also use a 220-MHz handie-talkie and touch-tone pad.

This unique system brings the future to us now. The 2 to 10-meter FM link has been brought up often, allowing one amateur in Norway with his handie-talkie and rubber duckie to talk to K9EID, who was using 500 milliwatts and a handie-talkie through the system. Our congratulations to the designer and builder of this system — Bob Heil, Jr., K9EID. 

Caution

Transistors in some transmitter power amplifiers are encapsulated in a ceramic called beryllium oxide. No danger can arise from normal handling of this material in its solid form, but it is extremely toxic if pulverized and if the dust is inhaled. The amount of beryllium oxide which can cause death or chronic disease is incredibly small... only 50 micrograms per cubic meter.

Never, under any circumstances, attempt to drill, file, grind, polish, cut, break, etch or otherwise modify a piece of this ceramic. Do not discard these transistors in waste, which — through compacting or other processing — might cause fracture or abrasion.

Ground Waves 

MORE THAN JUST FOOD

We are having our first club dinner party and it will be a real zinger. It will be a buffet dinner held at TODD'S in Tigard. They have a banquet room for us and will be geared up for good service. This is a very high quality restaurant and is unique in the buffet area of business. There are many more choices of food than is normally offered and the quality is excellent. The price for adults is \$4.95 and this includes your choice of coffee or a cola. It also includes a large selection of desserts. Dress code for the affair is informal so that you tough guy types out there don't have to wear a tie. You might take the time to clean your fingernails though! This will be a nice SOCIAL affair for you and the XYL-OM and or family. There will most likely be some fun and games involved, just to furnish a little entertainment, so be prepared to enjoy yourselves!

WHERE: Todds in Tigard. Pacific Hwy. Nth. of Tigard.

WHEN: Saturday, March 20. Starts at 6:45 pm.

WHY: Good food, good company and pure fun.

For even more fun, carpool it with some friends. See you all there for the festivities.....

AMATEUR RADIO CLUBS NEED PEOPLE WHO DO THINGS.

NOT PEOPLE WHO EXPLAIN WHY THEY COULDN'T! arns

LAST CHANCE: Order a club jacket at the meeting!!!!!!



QST!!! QST!!! QST!!! QST!!!

Our hats are off to the Washington County Sheriff's office for the return of a 2m mobile radio stolen from it's owner, John Ryan, W7KEZ. The radio had not been missing a week before it was offered for sale or trade to someone who thought it was a very nice CB. It was described to me (KA7HJT) by another young man helping me for the day on one of my jobs. I knew the guy had no idea what he had and arranged an opportunity to see it. If it had been a clean radio I could have gotten rid of some of my unused CB equipment. Anytime a non-ham has ham radio equipment you can be reasonably sure that someone got ripped off. After seeing the radio a call

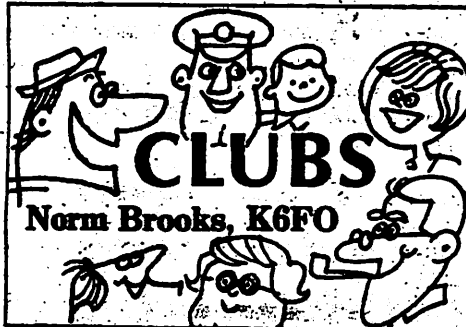
was put into the sherrif's office to check on it. It's amazing how fast they can come back to you. The information apparently goes into a computer and can be retrieved very quickly. Barbara Davenport, secretary in the detective division took the information, asking pertinent questions regarding make, model, serial number and for any other identifying marks. Since the address was'nt known for sure, it meant a drive by the house to get the number. By the time the number was called back in, detective Tony Scheeland was typing a search warrant. Since the information was quite fresh he got a judges signature on the warrant and beat it over to the house. The suspect got worried due to the interest in the radio and had already gotten rid of it by the time detective Scheeland got there with the warrant. I don't know how he did it and it's probably best that way but he recovered the radio.

Sgt. Lingle, in the detective division, said that if the right kind of information is skpplied, they are able to try and locate the stolen property. Things like "it was black and about this big" just does'nt hack it. If it is not properly identified their hands are tied. Sgt. Lingle suggests that a list of everything in your household with a serial number be kept in a safe place for quick reference. That includes guns, cameras and etc.. It is a big help to have your drivers license engraved on your property. Do not use your social security number! Naturally, if you get ripped off, it is important to call them quickly should you run into a situation like the above. If you wait until the next day or so a judge would most likely laugh at an attempt for a warrant. There is a good possibility you would be called upon as a witness. No one likes that idea, to be sure, yet if we in the ham community won't help each other how could we ever expect anyone to help us? Sgt. Lingle also said we should call either the dispatcher at 648-8711 or the detective division at 648-8731 if we run into a suspicious situation. Memorize the serial number or write it down if you can and also get a general description of the person so the boys in blue have something to go on. In this situation they did a bang-up job. Especially Tony Scheeland. Our hats off to you guys in Washington County. Maybe we can return the favor sometime...

EMERGENCY SERVICES TRAILER

On Saturday, Feb. 28, our intrepid antenna erection crew went out and put up a tower for a Portland SWL. Randy, KA7HJT, Roger, K7RXV, Cary, KA7KDB, Warren, W7JDT, Brian, KA7KIR and Don, W7BBH were the good of the club. All money the trailer. The man was quoted to have at it. Well, when the to satisfaction, the gentleman Absolutely INCREDIBLE!!!!!!!!!!!! we have over \$500.00 toward the trailers expected cost of \$1500.00. HJT and RXV head up this group so dedicated toward the trailer and I think the club should give them and their aids a round of applause. And while we are at it, let's don't forget the families at home, waiting for Pop to arrive for dinner! A truly SUPER club effort. Our hats are off! If this continues, we might have our trailer in time for field day. If YOU would like to contribute, call Roger or Randy. Get involved!!





Club officers

Why is one club successful and growing, while another stagnates and folds? The usual answer is "activities." True, but activities don't just happen by themselves. Someone has to think them up, plan them, organize them and see them through to a successful conclusion. And that "someone" is the club officer.

I like to think of club officers as unpaid executives. Good club officers, if paid what they are worth, would cost their club thousands of dollars each year. This is the kind of officer every club would like to have, but unfortunately, many clubs are short-changed.

A good club officer is a club officer every day of the month, not just on meeting nights. He is constantly thinking of ways to improve club operations, and doesn't hesitate to do things to make his ideas successful.

Nominations

It's election night at the club meeting, and nominations are being made from the floor. Joe Blow is nominated and elected. But is Joe really the best man for the job? Wouldn't it be better to have a nominating committee, consisting of past presidents and others who are seriously concerned with the welfare of the club, to study the membership rolls and decide who would be the most competent officers?

The nominating committee should take into account the member's capabilities, and — most importantly — the member's willingness to serve. Not just a willingness to come to the club meeting and sit at the head table for the evening, but a

willingness to plan and organize club activities on the days between the meetings.

The nominating committee should interview each prospective officer and point out to the member that the club needs his or her particular abilities. They should never minimize the job by saying "It won't take much of your time." Instead, they should get a serious commitment that if elected, the member — as an officer — will be deeply involved with the club ofice for the duration of the term of office.

Hopefully, the committee will be able to come up with two nominees for each office. In real life, this is seldom possible. However, they should try to get two nominees for president, and one for each of the remaining offices. Then, if the club constitution permits, vote only on the president before closing nominations on the remaining offices. The unsuccessful candidate for president can then be nominated for vice president, etc.

In future columns, I'd like to cover some of the specifics for each of the club offices. I'd be glad to hear from you if you have some thoughts to offer.

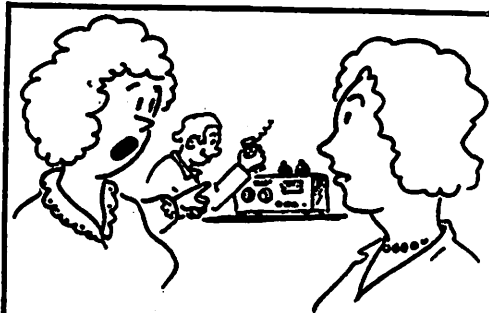
WORLD RADIO - AMEN!

WASHINGTON PARK EASTER EGG HUNT

This is a repeat of last yrs. VERY successful club outing. It was amazing to see the # of people who turned out for this silly event. Adults as well as LITTLE people running all over the park in search of eggs. We all know that bunnies do not lay eggs but we were proved wrong. There IS an Easter Bunny! I know, because I found six of them. Strange thing though, two of them tasted like chicken eggs and the other four had the flavor of melted plastic and candy? HMMMMMM. This years outing will be exactly the same as the last. A POT LUCK lunch, egg hunts for the kiddies and a lot of fun for all. TO THE LADIES: The beginning letter of your last name will tell you what is preferred in the way of food. A-K please bring a MAIN DISH. L-P please bring a SALAD. Q-Z please bring a DESSERT. THE CLUB WILL TAKE CARE OF THE EGGS, CANDY AND A FRUIT PUNCH. All else you will need to bring yourself. This is a neat FAMILY event so bring the kids, grandkids or just yourself and have a great time. The location is HOYT ARBORETUM on SW Fairview Blvd. in Washington Park. Date and time: Saturday, April 10 and we start at 11:30 and will run until 4:00. The Arboretum has a nice covered area with picnic tables and restrooms are nearby. For further information call Mona Whiting at 648-8194.

COMING ACTIVITIES

- 3-17 Club Meeting
- 3-20 Bunny Hunt
- 3-20 Club Dinner Social
- 4-3 Club ARRL CD Party
- 4-10 Family Easter Hunt
- 4-21 Club Meeting
- 4-22 Sink The Bismark
- 5-19 Club Meeting
- 6-4 CONVENTION
- 6-26 Field Day



"We have two big turkeys this year. The one I bought at the spermarket and the one he bought at the last swap meet!"

List available

Due to interest in public service, CW and traffic nets, I have compiled a listing (50+) of those groups meeting on Novice/Technician HF frequencies (80 through 10 meters) who operate at slow speeds and welcome newcomers.

The list is referenced to time (UTC) and includes day of days, frequency (kHz), net name and abbreviation, net manager, coverage and purpose. All available with SASE from my QTH.

73,
MIKE ADAMS, N4EVS/ex-WA4EJV
Rte. 4, Box 764
Panama City, Florida 32405

WE WILL BE ACCEPTING OREGON STATE HAM CONVENTION PRE-REGISTRATIONS AT THE MEETING. CASH, CHECK OR MONEY ORDERS ARE ACCEPTABLE. THIS WILL SAVE YOU MAILING OF YOUR FORM TO SEASIDE. MARCH 31 IS THE DEADLINE FOR A CHANCE ON AN ICOM HANDHELD!!! BESIDES, WE NEED INCOME TO PAY THE BILLS. PLEASE RESPOND.....



The Quilt WINNAH!!!

The lucky winner of the big beautiful handmade quilt was Bill Altman, WB7CHU. The ladies came up with \$222.00 in sales and decided to give the entire amount to the emergency trailer fund. Now that is really an outstanding gesture and will go a long way in speeding up final completion. A big hats off to the ladies and also to all of the members who took a chance on being a winner.



Computer & Things

Randy Sittel, of the above named company, donated some time and expertise in helping Roger, K7RXV, assemble a back-up roster for us. Much appreciated Randy and hope that Roger remembers all the instructions you gave him. Randy has a store in Aloha and just joined us. See the ads! Thank You!



I-5, turn around and come back across I-5 and take the 72nd exit. The address is 7310 SW Beveland, Tigard. Get lost just call 620-2027. Hope to see you all there.....

Experience is sometimes a very costly commodity that rarely has little resale value.

SPAR prepares plan to attack antenna problem

The Organizing Committee of SPAR (Society for the Protection of Amateur Radio) is most encouraged with the outcome of its meeting at the Scottsdale, Arizona ARRL Southwestern Division Convention with the officials and Harry Dannals, W2HD, president of the ARRL. The president expressed his agreement with many of the concepts proposed by SPAR and stated that meetings would be arranged in the near future to study the need and implementation of the concepts.

The August (1981) bulletin of SPAR provided a 14-point question-and-answer discussion of the *what, why* and *how* of SPAR and its proposed bylaws.

The first formal meeting with officials of the ARRL was held at Scottsdale to reach an understanding on ways in which SPAR could actively support the policies of the ARRL through political and legislative action at all levels.

Southwestern Division Director Jay Holladay, W6EJJ convened the meeting which included the vice director, president and General Council of the League, and members of the ARRL Headquarters staff and of the Organizing Committee of SPAR.

A thorough review of the active role of the League and its representatives in Washington, D.C. and the purposes and objectives of SPAR brought forth discussion on the increasing problems which the League faces in its role as advocate for the interests of Amateur Radio.

President Dannals expressed concern that ARRL and SPAR would conduct separate, uncoordinated discussions with

government agencies, thereby raising questions as to which organization was representing Amateur Radio. He was reassured that SPAR's primary role is to fight for policies promulgated by ARRL when the tactics call for additional manpower and effort beyond the capacity of the ARRL staff and officers; that action on the part of SPAR would commence upon request from ARRL. It was stated that SPAR's actions should be reversed for those situations which are of such significance and magnitude that ARRL determines help is needed.

President Dannals stated that he perceived the growth of widespread prohibitions against towers and antennas as one of the most urgent and dangerous problems facing Amateur Radio. He noted that such ordinances and actions were proliferating throughout the nation to the extent that ARRL could use help. He asked if SPAR was proposing to assist with such problems. The members of the Organizing Committee assured him that it was; that in such circumstances the League staff needed additional skilled, dedicated help to develop the necessary clout to contain such problems nationally.

SPAR is preparing a detailed plan for attacking the antenna problem. (The plan may also be applicable to the widely growing cable TV system VHF interference problems.) Commencing at the local level, the plan would proceed through municipal and state agencies to Washington where federal preemption will be the final goal.

Upon completion of the proposed plan, another conference will be scheduled with ARRL officials in preparation for the ARRL Board of Directors meeting in March 1982.

Concerned amateurs may obtain a copy of the initial bulletin by sending a legal-size SASE to SPAR, P.O. Box 41, Santa Barbara, CA 93102. □

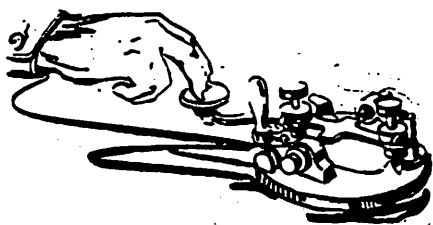
ARRL CD PARTY

On April 3 our club will be taking part in this fun contest. Dennis Fisk, N7CME, has been kind enough to loan us the use of his house and shack. Also his call! Our club took part in this event last year and the active operators had a ball. Mark your calendar now, then call Marty, KA7CTP and sign up for an operating time. We need lots of people for this one and that includes novice on up to extra.

How do you get to CME's house? Take 217 out to and across I-5, turn around and come back across I-5 and take the 72nd exit. The address is 7310 SW Beveland, Tigard. Get lost just call 620-2027. Hope to see you all there.....

ELECTRICAL CONNECTOR SIGN-UPS

SEE WES, K7WWG. A good deal!!!



TO WHOM IT MAY CONCERN

I would like to hear more club members support the '10-10 International', which with some 35,000 plus members world-wide, is a very large voice in helping to stop any further attempt, as they have tried in the past, of the hams losing part or all of the 10 meter band. The "City of Roses Chapter" is the local and meets every Sat. morning at 1700 GMT on 28.825 khz. You don't need a 10-10 number to join the net but do need a 10-10 number to become a charter member. If you have any questions about the local chapter or the International, please call me at 231-0876, Gary, KG7P, Chapter Head of the "City of Roses".

Thanks and 73 from Gary Keesee, KG7P.....

Thank YOU Gary. (editor)

COMPUTER BUFF NEWS

Here is a list of some computer nets that meet on the HF bands for anyone that is interested:

TYPE	DAY	TIME (EST)	FREQ
Computer	SUN	9 p.m.	14.239
Apple (East)	SAT	8 a.m.	7.260
Atari	SUN	8 p.m.	14.239
Dig. Group	SAT	11 a.m.	14.281
Dig. Group	SAT	5 p.m.	7.190
SWTP-6000	SUN	9 p.m.	14.250
TRS-80 (West)	SUN	2 p.m.	14.342
TRS-80 (East)	SUN	4 p.m.	14.342
TRS-80 (Central)	SUN	5 p.m.	7.293

RUSTY KEY DEADLINE

March 31 is the last day your logs and signed papers can be turned in for scoring. Keep a sharp eye out for possible signees when you make the meeting. All those who turn in a log and signatures will get a certificate showing your participation. Neat deal. See you at the meeting.....

Technical tips

Jim Britton, WB6NRR

Here are a couple of tech tips. The Yaesu FT207 hand-held may quit when dropped. If you measure the voltage at the charging contacts and get no reading, check the battery contacts. They are not made out of spring steel (as they should be). The soft steel deforms and can be easily bent back to make a proper contact.

The Hustler 4BTV all-band vertical has a small circular plastic insulator at its base to insulate the antenna from the base. Through poor design, this insulator is set in a 1/4-inch recess which catches "bird-doo," floating dust and other debris. Clean it out with a toothbrush and cleaner at two-week intervals and the old vertical works better.

In using the Hustler, or any other mobile antenna, I find that putting a 100-foot coil of RG-8 lead between the transceiver and the antenna makes it load better than any kind of coupler. Using this coil mobile or portable, I find my SWR is about 1.8:1, or close to it on all bands. When I use my coupler, it just adds a tuning problem and the SWR isn't so good.

Tuning solid-state rigs

Tania Miller, WB9FKC

Some months ago, Tom Beary, KA9HWP, called every amateur he knew to find out why he couldn't load his brand new rig into a Hustler multi-band vertical, using a Dentron tuner. He tried several antennas without using a tuner and wasn't able to load into any of them.

Tom took his TS 180-S to one amateur's house and put in on his triband beam; it would not load. He took it to another amateur's house and put it on his trapped dipole; it would not load. The TS 180-S evidently saw a SWR of 3:1 or worse and shut down.

After borrowing a Dentron Super Tuner, he found he could load his rig on 15 and 40 meters, but loading was critical: 50-100 kHz down from where it was loaded he had to touch up the tuner controls. Finally, a friend of his suggested he change to a higher quality coax.

The transmission line he bought was RG8U, manufactured to a distributor's specifications. The braided shield was not tightly braided, but loose — like a fishnet. Tom thought this would cause only a loss, never a high SWR. But after replac-

ing it with RG8X he could load his rig on all bands using the tuner.

The solid state rigs have no pi-network to match antennas with, but rely on the broad-banded nature of their finals to eliminate tuning. Solid state rigs have built-in protection circuits to prevent their finals from over-conducting. A tuner will protect the finals IF you also have a good antenna system, including transmission line.

Most amateurs agree that coax quality is very important, and in many cases, critical to properly working equipment and antenna systems and a low SWR. But before a tuner is used, the instructions that come with a beam antenna should be read. You don't want to change the current pattern on the beam or the balun will blow.

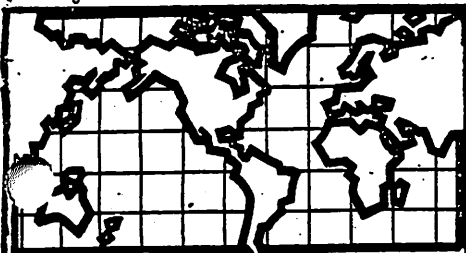
Jordan jammers

Bob Kneebone, N6AZV

King Hussein, JY1 of Jordan, worked about 100 local amateurs during his visit in Los Angeles via 2-meter repeaters. There was some repeater jamming. The king's representative — Ali Shukra JY3AK — told Westlink that such jamming by licensed radio amateurs in Jordan brings a two-year prison sentence and a fine. When an unlicensed person jams communication, the sentences are much worse!

—Southern CA ATV Club

Arlene Reed, XYL of Silent Key and past member, K7DXW, donated all of the supplies for the quilt which WB7CHU won. The members owe you a big thank you and we are sure that if Bob were still with us, he would be very proud. THANK YOU!



DX WORLD

Activities Calendar

- 13-14 February VERON "PACC" Contest
 20-21 February ARRL International DX Contest (CW)
 26-28 February "CQ" Worldwide DX Contest (Phone)
 27-28 February French DX Contest (Phone)
 27-28 February RSGB 7 MHz Contest (CW)
 06-07 March ARRL International DX Contest (Phone)
 20-21 March YL ISSB QSO Party (CW)

Willis Island (VK9Z)

Graeme Mears, VK9ZG was to have ended his tour of duty on Willis Island at the end of the year. Tony, VK9ZH — his replacement — is to be there until this April. Both stations use Stephen Gregory, VK3OT for QSL services.

Macquarie Island (VK0)

Alan Nutley, VK0AN is presently active from Macquarie Island on a one-year business assignment. You can find Alan at "Open House" on 14.332 MHz on Tuesdays from 0930 UTC. The YL group also hosts other interesting DX stations such as VK9XW on Christmas Island. Also, check the frequency on Thursdays at the same time. Alan is attempting to meet additional schedules on 14.205 MHz from 0600 UTC and 14.225 MHz from 1400 UTC. Alan, whose home call is VK2BNA, should be there through November.

Iraq (YI1)

YI1BGD has been reported near 14.245 MHz from 1600 to 1900 UTC. Other reports have him in the lower portion of 20-meter SSB from 1300 UTC on Mondays, Wednesdays and Saturdays. Also try Fridays after 0700 UTC.

There is a German operator who goes by the name of Alfred who has been showing on 28.510 MHz signing YI1AS. Look for this one daily at 1400 UTC.

Macao (CR9)

Look for CR9AN, (ex-CT1ANP), on or about 28.560 MHz from 1300 UTC. Simon has been using a dipole hung out of a window, but expects to be installing a tri-bander shortly.

We have a report that Martti Laine, OH2BH was scheduled to be in Macao in January operating as CR9BH. This should be of interest to the multi-band enthusiasts.

Also active from Macao is CR9D who made about 4,500 contacts during a six-day period in October. This is a CW station who has been found on 28.025 MHz at 1330 UTC and 7.003 MHz at 1730 UTC.

Finally, we have Luis, CR9UT, reported on 21.020 MHz at 1430 UTC. Some of these times and bands given are not favorable to stateside stations. These reports are gleaned from Geoff Watts' DX News Sheet published in England.

Zimbabwe (Z2)

Some time back, Rhodesia changed to Zimbabwe and retained the "ZE" prefix. Now they have replaced this prefix with a new prefix. If you are looking for new prefixes, you may find Z27JV on 28.504 MHz at 2000 UTC, Z21CK on 28.531 MHz at 2000 UTC, Z24JS on 14.336 MHz at 1800 UTC and Z21GJ on 28.520 MHz from 1900 UTC. All of the above calls were formerly ZE7JV, ZE1CK, ZE4JS and ZE1GJ, respectively. There is no change in country status.

UPGRADES!!!!

Bob Riggle, N7CTY to advanced. Larry Ogburn, WB7RKC to advanced. Martin Schmid, N7CYG to general. Fran Haag, KA7KIS to advanced. Cary Haag, KA7KDB to advanced. Roger Hayward, KA7EXM from tech to advanced.

Nice work everybody. Quite sure you are enjoying your interim PO by now.....

Last minute upgrades: John Reed, KA7KDF to tech. Judy Beaston, WA6HZO to extra.

To my friends in OTVARC: My sincere appreciation and heartfelt thanks for the concern and the nice flower arrangement the club sent me during my week long stay in the hospital. For me, there is nothing better than a room full of flowers to speed up ones recovery. It made me think of springtime and summer and gardening. I just got to get well and fast to do all that work. I am feeling fine now. Thank you.

Mrs. Gloria Gochenour

Taiwan (BV)

Effective 1 December 1981, Tim Chen, BV2A will be operating on 15 meters. He has given four operating frequencies, two for each mode. On CW he will be operating on 21.030 and 21.100 MHz. SSB'ers should look for BV2A on 21.270 and 21.350 MHz.

As for the other bands, Tim's latest operating schedule is as follows:

14.025 and 14.050 MHz	1200-1400 UTC Wednesday
14.218 and 14.250 MHz	1400-1600 UTC Wednesday
14.218 and 14.250 MHz	2300-2400 UTC Saturday
28.530 and 28.575 MHz	0000-0200 UTC Sunday

Tim signs BV2B on 20-meter SSB, leaving his BV2A call for the other frequencies. Look for the W7PHO Family Hour during the Sunday operating period on 28.575 MHz.

Cocos (Keeling) Islands (VK9Y)

Frank, VK9NYG is active on Cocos Island to hand out a new one for the deserving DX'er. Frank has no specific schedules, but does show up at times on the DX nets on 10 and 15 meters. Other than that, you may find him usually between 1100 and 1500 UTC on weekdays, and 0200 to 1500 UTC on weekends. Neil Penfold, VK6NE — his QSL manager — reports that his operation is inhibited by the other residents who rely on hi-fi and shortwave broadcasts for entertainment. Frank has reduced his power to 20 watts PEP to the antenna, and now doesn't seem to make himself unpopular with his neighbors. As Neil says, "It's quite a small island he is living on and they wouldn't have far to carry him to dump him in the ocean."

Frank expects to be on Cocos until next Christmas, so you will have ample time to work him. Cocos Islands are located approximately 1,750 miles northwest of Perth, Western Australia. The population in 1980 was 294 on Home Island and 193 on West Island. At present, there are three amateurs on the islands, those being VK9NYG, VK9ZYX and VK9YC. From time to time they are joined by VK9YA (formerly VK9CCT). VK9ZYX can operate only 52 MHz and above.



BUNNY HUNT

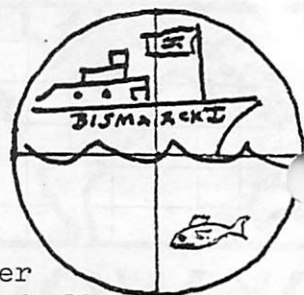
Yep, we got one coming up again. The date is Sat. the 20th of Mch. and the time for assembly is 1:30 pm..

The place is the corner of Jenkins & Cedar Hills Blvd. Right near Norths

Chuckwagon. We have been getting a bigger turnout as each one comes up and that sure helps to make it a lot more fun for all. The guys in the technical committee appreciate your support and say that when you have fun, so do they. Besides, it's good practice for the real thing. If you don't have any DF gear, hitch a ride and be a co-pilot. Lets have a GOOD one....

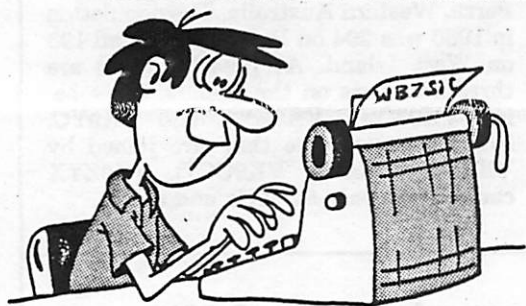
SINK THE BISMARCK

Just about everybody did a number on KA7KDB. He got shot full of holes and sank with all hands. A couple of people missed the mark but I would rather not discuss that. Let us dwell on the positive side of things for a change. The raffle guys need to get more beams to give away. The participation level of this easiest of all club activities is way too low. It must be that most members are not equipped for a DF situation?? Anyway, it's a lot of fun and in spite of the fact that your editor has yet to aim straight and as a result takes a lot of razzing, he isn't going to give up trying. Hey Roger, when is the next one? I am ready. How about the rest of you???



VALENTINES DAY QSO PARTY RESULTS

Well, a banner day it was. Quite a number of members helped to make it a roaring success and everybody enjoyed themselves. We made 396 contacts and judging from the continual pileups, had we operated in contest style, the outcome could have been a doubling of contacts made. But, as promised, things went along at a leisurely pace so that all operators could feel comfortable even in a pileup. Amazing that so many hams are so gung-ho about getting a certificate. We have got to do that one again. We must! We have about 600 certificates left. A big thanks to Carl, KA7GHR, for putting together such a beautiful piece of work. Sure glad I made a contact! It is going to look great on the wall. A BIG 'Hats Off' to the contest committee for such a great event. Believe Carl came up with the idea??? Anybody have an excuse to have another QSO party?



LETTERS TO THE EDITOR AND OTHER SUCH NONSENSE

To all you aspiring journalists out there, let it be known that you are being asked for letters to the editor, articles of interest to the club, technical tips and or easy projects and any other drivel you can come up with. This thing is getting out of hand and your help in filling up the pages would be very much appreciated. Besides, one mans opinions can get

to be a real bore so a little fresh blood in this rag could be a real blessing to us all. A note of interest to the shy: If you would like to write an article and want to remain anonymous, your wishes will be honored. Can't imagine a HAM that would shun being heard but if that is the way you feel, have at it!!! Okay, the word is out and I will be anxiously awaiting the members submissions. One last word. If you want to make the newsletter deadline, please see that I have your copy by no later then the first of the month. Send or deliver your effort to: Al Berg at 2256 SE Oak Crest-Hillsboro, Ore. 97123. Sure hope to hear from 'someone'. WB7SIC

FOR SALE: XYL who does not like radio. For bargain price call (anonymous) 73-88

Self-control needed on Net Control

"Please QSY — Net Control." We hear this statement used many times during our use of the bands as radio operators. Sometimes it's used with grace and a sense of tact, but many times with a blast of vengeance, hoping to persuade the culprit to move along. And in most cases we succeed, while in other cases we become total failures and for good reasons.

The failures are due to the lack of tact in some of the net control operators, their lack of leadership in handling a sticky situation, and their sense of ownership on a given net. Some amateurs will not recognize net ownership or net control under any circumstances. After all, the bands are open to all qualified amateurs; they have the right to use or operate any part of the band that is open or not in use.

Net operators should be selected with a little more care, and not selected just to fill a gap in a controlled net timetable. Some net operators approach and assume their positions in a mature professional manner, while others jump in like it's a pain in the neck. And that's just what they become, also — arrogant, offensive, exaggerating their own sense of importance.

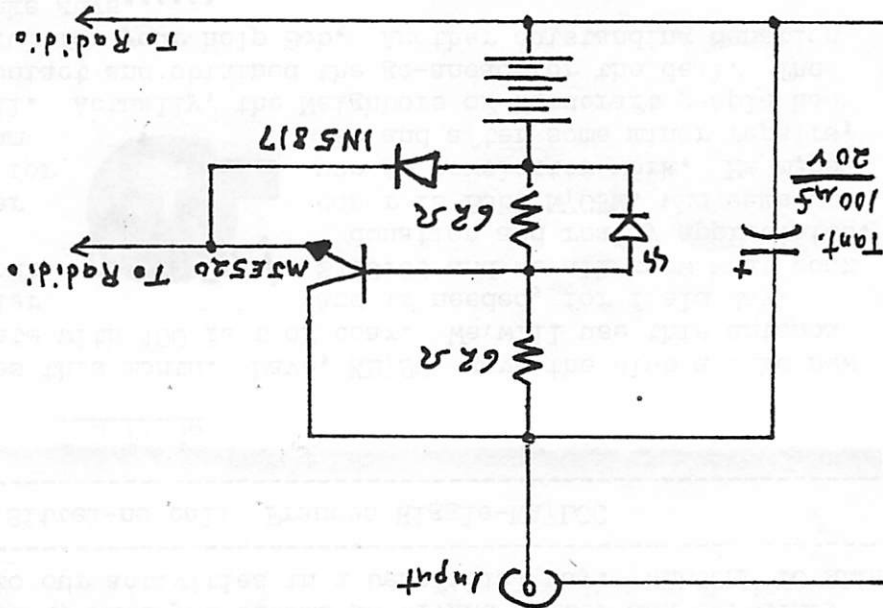
A situation that calls for tact and good leadership becomes ugly and generates ill feeling due to lack of control on the part of the operator. A good net operator can orchestrate his operations in a professional manner with good leadership and a keen sense of human behavior. His personal feelings should be left out of net operations; his job consciousness should come into full play, and a sense of control assumed.

The net operator should always bear in mind that he is selected to operate and control the net operations, to insure the effectiveness of its operations — not his personal feelings. If he can't control his own emotions, how can he expect to be in control of others?

When a net operator shows or indicates a lack of respect for a fellow ham, he leaves the door wide open to dissent. Ill feelings are then generated on both sides, and future conflict with net operations becomes a pastime with a disgruntled ham. The thread of legal retribution is not and has not been an effective deterrent. Shoddy, cheap remarks made by net operators only tend to generate more of the same, as well as loss of net control. The Golden Rule should apply. After all, we are on the bands because we enjoy our hobby — I think.

FLASH: Randy, KA7HJT, was seen at PHS buying an 11m resonator for his mobile??
FLASH: N7BIJ got 3 shorts for Valentines day. Embroidered with his call-of course. (photographic proof may follow)

MODIFICATION FOR ICOM BP7 BATTERY PACK



THIS MODIFICATION ALLOWS YOU TO TX OR RX WHILE USING A CIGARETTE PLUG-IN POWER SOURCE.

Courtesy of K7WWG

Their QSL cards are

often beautiful postcards with pictures of their cities or towns. Good luck with Antarctica and Tierra Del Fuego. A Worked All Provinces award is available.

Want an even bigger pileup? Call the Novices in Spain between 29,000 and 29,100. Their calls begin with EC. Spain has 52 radio districts and also offers a Worked All Provinces award. Their areas are determined by numbers (like ours used to be). These Novices must present 75 QSL cards to gain admittance to the next exam.

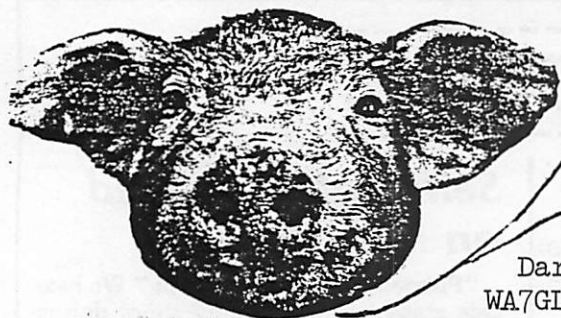
Better communications can be achieved if you know even a little Spanish. One place to learn is at your local adult education night classes, which gear a conversational Spanish class (usually 10 nights) to vacationers. Simple sentences, good pronunciation, numbers, greetings and "despidas" (good-byes) are often covered. Spanish can be helpful for 20 meters at night, 40 meters early in the morning and for snagging the Spanish amateur on 75 meters.

Be a 'pilee'

Jack Hubbard, W8HOD
DX pileups are — to some of us — an irritating, aggravating and disgusting way of making a contact. To others, a challenge and a pleasure (especially when successful).

— Wouldn't it be fun to be on the other end of a pileup? But DXpeditions take time and lots of money. However, it is possible to be the "pilee" instead of the "piler." Between 28,900 and 29,000 MHz, you will find the Novices in Argentina who are restricted there on phone. For many, you will be their first USA QSO. Most do not speak English, but communications will take place with a little effort.

Speak slowly and use the phonetic alphabet. Count up to the signal report (1, etc.). Most "colegas" in Argentina have a post office box they call "apartado." A four-number zip code, which they call a "Codigo Postal," is used. The number by the first suffix letter after the number in their call.



HOWDY
COUSIN !

NEW MEMBERS

Here we are again with a listing of hams who made the BIG decision to spend \$7.00 and find out what

we are all about. We welcome these hams to our sty:
Darwin Durr, K7PSD-Frank Clenaghan, KA7LCN-Bernie Mundall,
WA7GLW-John Iverson, WD6AJF-Don Aten, KA7KIT-and last but
not least, Joe Orr, KA7MIE. Jo is the XYL of Bob, KB7CC, who is a past President of
the club and a charter member. Ladies first is the rule so we must congratulate Jo
Orr for the NEW license and now that we are done with that, a VERY big welcome to
the gentlemen. We are delighted to have you become an OTVARC member and certainly
hope that you will CONTRIBUTE to our activities in a beneficial way. WELCOME TO ALL!

LAST MINUTE NEW MEMBERS: Randy Sittel-no call Frances Riggle-KA7LCC

DONATIONS

We have a couple of super donees this month. Dave, KB7SG, gave the club a like new
Hustler 5 band vertical, complete with 100 feet of coax. We will use this antenna
on the emergency services trailer and if needed, for field day. The antenna itself is worth about
\$100.00 and we all know what coax donation and really appreciated.
is selling for. A truly SUPER donor is Bob, N7CFM, who came up
Dave, thanks a heap!! The other use in newsletter work. He made
up with an electric typewriter for fee and after some minor repairs,
it available to us for a minimum it seems to be working very well. Actually, the Neighbors of Woodcraft people had
the machine and Bob made the contact and obtained the go-ahead for the deal. The
club and your editor are thankful for your help Bob. Another outstanding donation
from a loyal club member. Thanks guys.....



PROJECT NITE-LETS BUILD AN ATTENUATOR FOR DF WORK

At our March meeting we will have a sign up form available for those of you who
are interested in building an attenuator. The form will be handled by Don, KC7CN.
If you are unable to attend the meeting but would like to take part in this fun
activity, give Don a call at 648-7350. The approximate cost for the attenuator
parts is \$20.00. The meeting will be the last call for sign-ups so if you are
interested, do it ASAP. The instructor for the project will be Terry, WB7CHK.
The intent is to make the attenuator and follow up with a DF antenna project. You
will be set up in good style for bunny hunts and etc.. Don't miss out. Give Don
a call NOW.



IC-290A 2 METER FM/SSB/CW TRANS- CEIVER

5 memories/Priority/Scan/Squelch on SSB. 10 watts p.e.p. SSB,
10 watts output FM and CW. Operating voltage 13.8VDC.

The BIG Prize

At our February meeting, the 'crazy quad' (our
raffle committee) started selling tickets on the
Icom 290. Tickets are going at 5 for \$1.00 and
will be sold at each meeting until enough money
is available to pay for the rig. At each meeting,
5 numbers will be drawn and these will go into the 'hat' for the final drawing. The
normal retail for the 290 is around \$550.00. Quite a prize indeed! Gordon, of PR,
was kind enough to bring a sample to the meeting so we could all drool on it. ADM
claims that his call is already engraved on it. Time will tell!!! Bring \$\$\$\$\$\$

Inflation is bringing us true democracy. For the first time in history, luxuries
and necessities are selling for the same price..... chuckle sob

Zap your NiCd batteries to life

When an old NiCd wouldn't accept another charge, you used to throw it away. Now, you can bring these "dead" batteries back to life.

by Herb Friedman

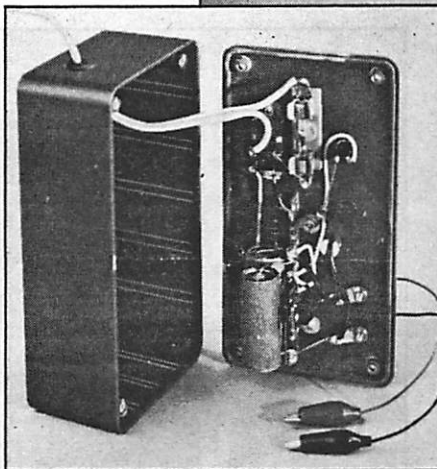
Though NiCd cells and batteries are capable of being recharged hundreds of times, many "die" before they are recharged even 100 times; some even go bad before 50 recharges.

In most instances, a NiCd goes "dead" because of an internal short, yet the NiCd can be resurrected from the dead with a relatively heavy surge of direct current that "burns" away the short. Once the short is removed, the NiCd can be recharged in the usual way.

Some tough cases—NiCds that have been "dead" for many months or those with several internal shorts—require repeated high-current surges before the short(s) opens. But eventually, even the toughest NiCd will "open up" for recharging. Naturally, if the NiCd has "died" from natural causes and is simply "used up," it can't be restored.

PM's NiCd NuLife, which can be assembled from components available from Radio Shack or most electronic-parts distributors, is an easy-to-build device for restoring NiCds. Note that the NuLife is powered directly by the 120-volt powerline. It should be assembled in a plastic cabinet, and except for the binding posts, no metal component that can be touched by the user should be connected to any part of the circuit. This includes the mounting screws for power switch S1 and the terminal strip. Make certain there is no connection to the terminal-strip lug that also serves as the strip's mounting foot.

The unit is assembled in a Radio Shack plastic Project Case, measuring approximately 6 × 3 × 2 inches.



If you cannot obtain a double-pole, single-throw (d.p.s.t.) switch for power switch S1, use a double-pole, double-throw (d.p.d.t.) type and use only the connections on one side.

Lamp NL1, the "charge indicator," is a 120-volt neon lamp assembly that consists of a neon lamp and an internal resistor in a single housing. Any of the 120-volt variety sold by Radio Shack and Callectro can be used—use the least expensive one. Do not, under any circumstances, substitute just an NE-2 neon lamp (without the resistor): It will blow out almost instantly when you apply power. NL1 must be a 120-volt neon-lamp assembly; the "120-volt" means an internal current-limiting resistor is built into the assembly.

Use any Silicon Controlled Rectifier (SCR) similar to the one specified in the parts list. Just make certain the one you use is not designated "high-gate sensitivity": The project requires an ordinary, inexpensive, general-replacement SCR. The SCR's leads must be extended to fit



NiCd battery rejuvenator, which we've named the NiCd NuLife, is shown (above) hooked up to zap four AA-size cells. A press of the charge button will bring to life even old, "dead" cells. The wiring on the case front panel (left) is quick and simple.

the terminal-strip's lug spacing. Tack-solder about 3 inches of insulated wire to each SCR lead and then slip a short length of insulation tubing down the wire and over the SCR leads. If you have used shrinkable-tubing insulation, heat it with a match so it shrinks tightly over the leads.

The only special component you'll need is capacitor C1. If you plan to restore only single-cell NiCds—such as the AA, C and D sizes—C1 can be 20 microfarads (mfd.). If you intend to restore multicell NiCds, use 40 mfd. A 20-mfd./150-v. capacitor is a common size, so if you need a 40-mfd. capacitor and can't locate one, connect two 20-mfd. capacitors in parallel, as we did in our own unit, shown in the component-side photo, page 64. (Radio Shack doesn't stock C1, but it is available in the Callectro parts line. If you don't have a Callectro distributor in your area, try a local TV-service shop.

Operation

The AA, C and D NiCds are most easily handled by mounting them in an inexpensive cell holder. Connect an insulated clip lead from the battery's positive terminal to the NuLife's positive terminal; repeat this

CONVENTION NEWS

We still have two rooms left to fill at our motel. One of them has a separate bedroom so if we have two couples that are good friends, maybe a share the room arrangement? Or, perhaps two buddies who are going stag will consider taking it. The main room has a queen and a hideabed. The bedroom has a queen. Sleeps a total of 6 people. Ask for room #318.

The other available room has a queen bed, a hideabed and also a jacuzzi tub. It sleeps 4. Ask for room #205.

LANDMARK MOTOR INN

738-9581

For your information, The annual Cannon Beach Sand Castle event is the same weekend and if you intend to get reservations for the convention, it is advised that you do so NOW. The beach is going to be very busy. If the two rooms left at the club motel do not suit your needs, call the Sundowner. It is the sister to the Landmark and has the same owners. Don't put it off. Do it NOW!!!!!!

All aspects of the convention are going along at a good pace and indications are that it is going to be a BIG one. We do need more registrations from our own membership. Taking care of our own backyard is very important.

If every club member were to pretend that he or she were responsible for the advertising of the convention, we would have more attendees than the center could hold. Talk this convention up at every opportunity. Nets, everday QSO's, with your pals and in any way possible. Those of you who travel for business can be of great help when yakking on the various repeaters you pass by.

MORE LATER

ZAP NiCd BATTERIES TO LIFE

(Continued from page 62)

procedure for the negative connections. Then plug in the unit and set power switch S1 on. Initially, it will take about 10 seconds for NL1 to light, indicating C1 is charged. Depress charge pushbutton PB1 momentarily. NL1 will go out instantly. That's the only indication anything has happened. If there is a dirty connection between the battery and the holder, there might be a small spark and "pop" as the current burns through the dirt.

Release PB1, and when NL1 lights (about three seconds), again press PB1. Give the NiCd a few surges.

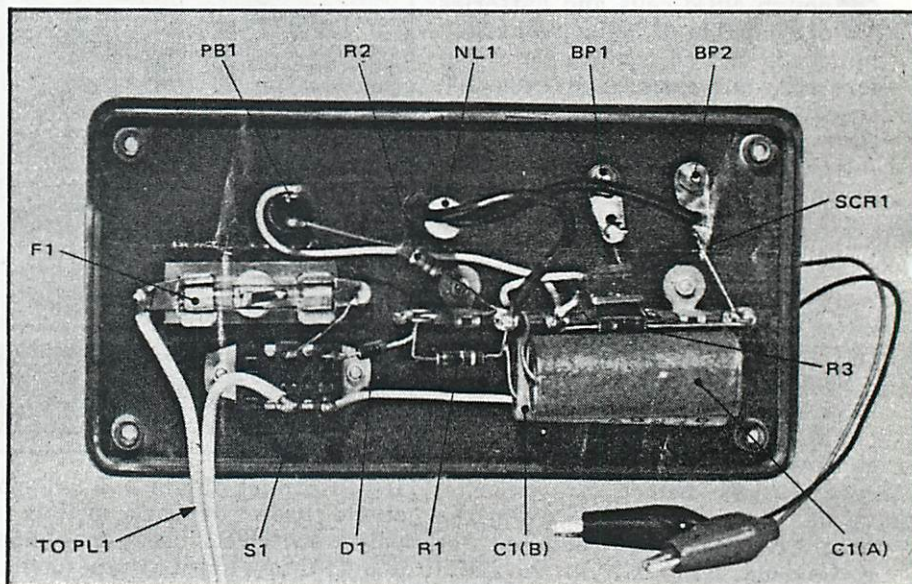
If you check the NiCd with a voltmeter, you'll get an insignificant reading (less than .1 v.) which indicates the cell is ready for charging. If there is no meter movement, connect the NiCd to the NuLife and give it 5 to 10 more surges.

Don't handle any connecting lead, the battery or a binding post if NL1 is ON. To "close down," or remove a NiCd, set S1 to OFF and then press PM1. When NL1 goes out, the connections can be handled. The circuit is designed so that even without a NiCd connected, pressing PB1 will discharge C1 (extinguishing NL1).

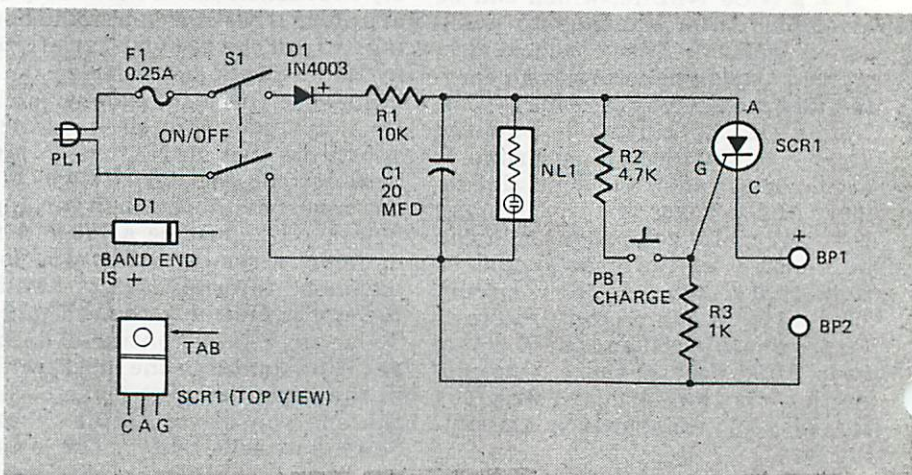
Recharge your batteries normally. If they hold a charge, all is okay. If not, try the NuLife one more time before throwing in the towel. **FM**

PARTS LIST—NiCd NULIFE

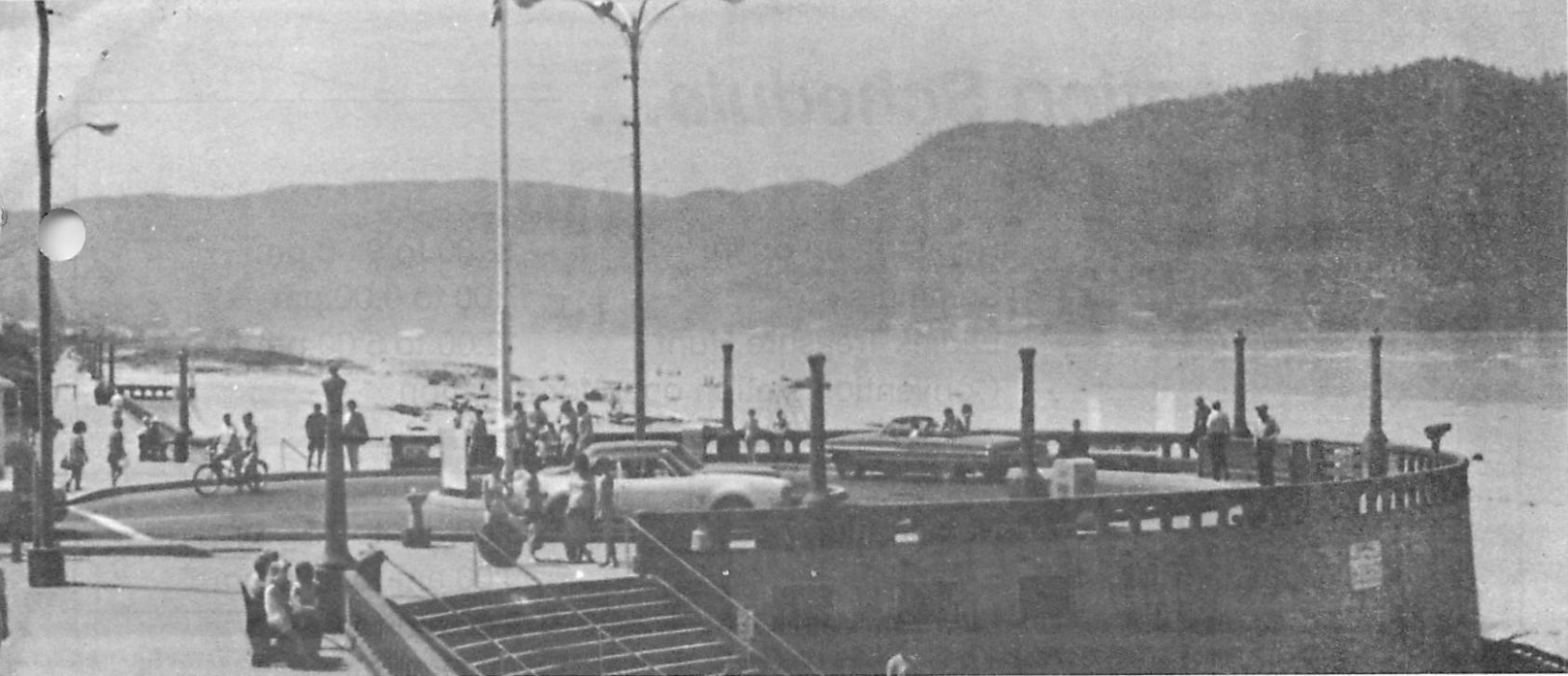
- BP1, BP2—binding posts (Radio Shack 274-661 or equivalent)
- C1—20-mfd. electrolytic capacitor, 150 v.d.c. (see text)
- D1—IN4003 silicon rectifier (or equivalent)
- F1—0.25-amp. fuse, type 3AG
- NL1—neon-lamp assembly, 120 v.
- PB1—pushbutton switch, n.o. (normally open)
- PL1—power plug with cord, 120 v.
- R1—10,000- Ω (10K) resistor, 1/2 w.
- R2—4,700- Ω (4.7K) resistor, 1/2 w.
- R3—1,000- Ω (1K) resistor, 1/2 w.
- S1—d.p.s.t. switch, slide type
- SCR1—200-PIV, silicon-controlled rectifier (Radio Shack 276-1067 or 276-1020 or equivalent)
- Misc.: Cabinet, wire-terminal strip, press-on lettering, hardware.



The wiring of the components for the NiCd NuLife (above) is all done point-to-point on the back side of the case's top panel. See text for an explanation of C1 (A) and (B).



The schematic diagram (above) will allow you to customize your wiring to fit inside a case different from the one that's shown, since the placement of parts is not critical.



OREGON
STATE
HAM
Convention
June 4-5-6, 1982
Banquet Speaker

**Nationally Known Amateur Radio Figure and
Guest Speaker from the ARRL
Banquet MC: Mel Ellis K7AOZ
Vice-Director of the ARRL
Northwest Division**

Registration

REGISTRATIONS POSTMARKED BY MARCH 31, 1982
will receive a *special* ticket on a drawing for your choice
of: ICOM 2AT, 3AT or 4AT *plus* an extra ticket for the
main prize drawing.

REGISTRATIONS POSTMARKED FROM APRIL 1, 1982
to April 30, 1982 will receive one *extra* ticket for the main
prize drawing.

PRE-REGISTRATION CONFIRMATION CARDS WILL
BE MAILED ON RECEIPT OF PAYMENT.

MAIN DRAWING PRIZES

ICOM IC-730
Heath SB 201 Linear Amplifier
Yaesu FT 290R All Mode 2m Portable
Kenwood TR 7730 2m Mini-Mobile
Many prizes given during each day
YL-XYL Prizes
YL-XYL Treasure Hunt
Kiddies Cartoons Daily
Ladies Luncheon & Program

EXHIBITS

Dealers and Manufacturers
Flea Market
Computers
ARES
Badges-Caps-Shirts, Etc.
Many, Many More TBA
Earth Station Demo
Special Family Program:
TV & Radio Announcers Boo-Boos
Bunny Hunt (Big Prize)
ARRL Forum
JWJ Code Tests
FCC Testing

*A SPECIAL Drawing for
the Early Bird Registrants*

**Talk-In 146.52 (Simplex)
Repeater 145.45 (-600)**

**OREGON STATE HAM CONVENTION
June 4-5-6, 1982**



P.O. Box 920
Seaside, Oregon 97138

REG. NR. _____
(off. use only)

NAME _____ CALL _____ DATE _____

ADDRESS _____ CITY _____ STATE _____ ZIP _____

SINGLE REG. _____ \$5.00

BANQUET \$12.50 per person

COUPLES _____ \$7.00

DINNER: SALMON _____ PRIME RIB _____
Please Put Number and Choice

CHILDREN _____ \$1.00 each

FLEA MARKET _____ \$5.00 per table

LADIES LUNCHEON _____ YES _____ NO

PLEASE MAKE ALL CHECKS PAYABLE TO: OREGON STATE HAM CONVENTION

COME TO THE BEACH AND HAVE A GREAT TIME FOR THE WHOLE FAMILY. SEE YOU THERE!

ADDITIONAL INFORMATION NEEDED—Call 1-503-640-5456 or 1-503-738-6461

FOR MOTEL RESERVATIONS—OREGON - (toll free) Call 1-800-452-6740 / OTHERS - Call 1-503-738-8585

Convention Schedule...

Friday June 4, 1982

Registration open	12:00 to 9:00 pm
Seminars	7:00 to 9:00 pm
Ladies Treasure Hunt	12:00 to 5:00 pm
Convention station open for duration.	

Saturday June 5, 1982

**ADDITIONAL
INFORMATION NEEDED:**
CALL 1-503-640-5456
or 1-503-738-6461

**FOR MOTEL
RESERVATIONS:**
OREGON (toll free):
CALL 1-800-452-6740
OTHERS:
CALL 1-503-738-8585

Registration open	8:00 am to 7:00 pm
Exhibits	9:00 am to 5:00 pm
Flea Markets	9:00 am to 5:00 pm
Snack Bar	All Day
Kids Cartoons	10:00 am to 4:00 pm
Seminars	10:00 am to 4:00 pm
Ladies Lunch and Program	12:00 to 2:00 pm
Bunny Hunt	12:00 to 1:30 pm
ARRL Forum	4:00 pm to 5:00 pm
Cocktail Hour	6:00 pm to 7:00 pm
Banquet	7:00 pm to 9:30 pm
Ladies Treasure Hunt	All Day
FCC Testing	10:00 am to ?

Sunday June 6, 1982



**THIS IS AN
ARRL SANCTIONED
CONVENTION**

Registration	8:00 am to 12:00 pm
Snack Bar	'til Closing
Kids Cartoons	9:00 am to 11:30 am
Seminars	9:00 am to 11:00 am
NASA Seminar	10:00 am to 11:30 am
Prize Drawings	12:00 pm to 1:30 pm
Convention closes	2:30 pm

The **OREGON TUALATIN VALLEY AMATEUR RADIO CLUB** and the **NORTHCOAST REPEATER ASSOCIATION** welcome you, our fellow amateurs, to join us in Seaside for the **OREGON STATE CONVENTION**. It is our wish that you and yours may enjoy yourselves to the fullest and be a part in making this event the success we intend it to be. We look forward to seeing you in Seaside.

Note: The convention sponsors reserve the right to alter the "convention schedule".

Note: All registrants, including convention sponsors, are eligible for prize drawings and/or contest awards.

OREGON STATE HAM CONVENTION

P.O. Box 920

Seaside, Oregon 97138



#51 Marty McKillip, KA7CTP. Using TS 520S with Drake MN2700 matcher. IC211 2m base & TR7400A mobile. 55' tower with TH6. Works at Good Samaritan in remodeling & new construction. Likes water skiing, girls & beer!



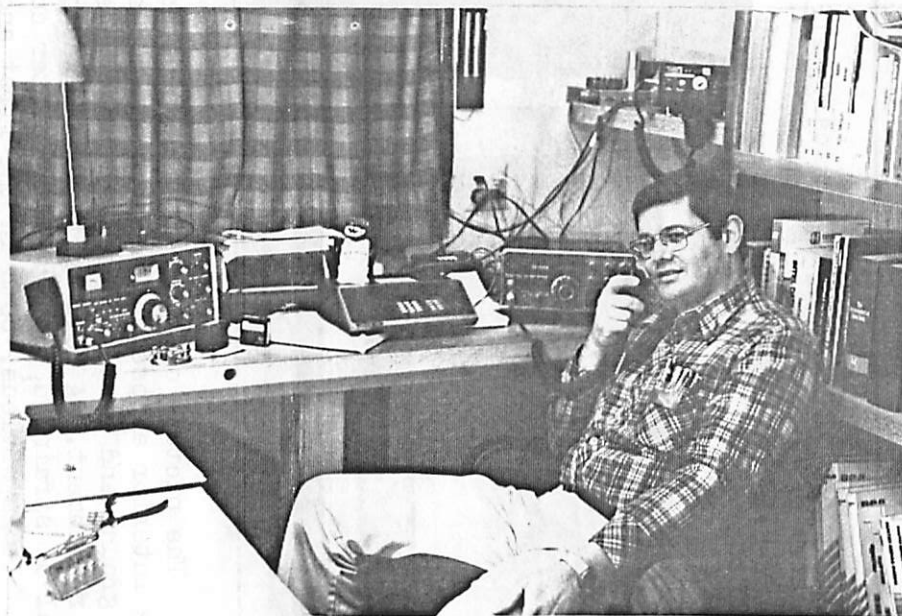
#132 John Koenig, N7CRP. Uses IC730 & 'W7EL' QRP set-up for HF. Dipoles for 'ears'. IC2AT on 2m for home & car. Busy at Good Samaritan supervising maintenance of medical electronic equipment. Loves 'hamming' and works nov. CW.

'HAP' HAMS'

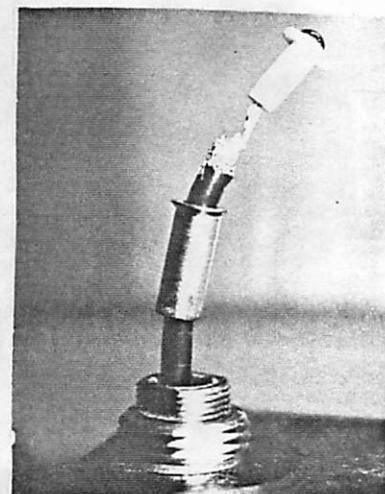
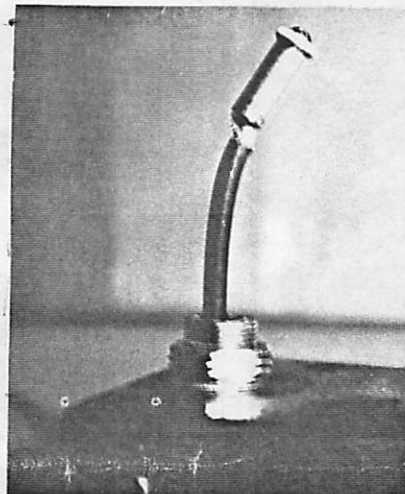
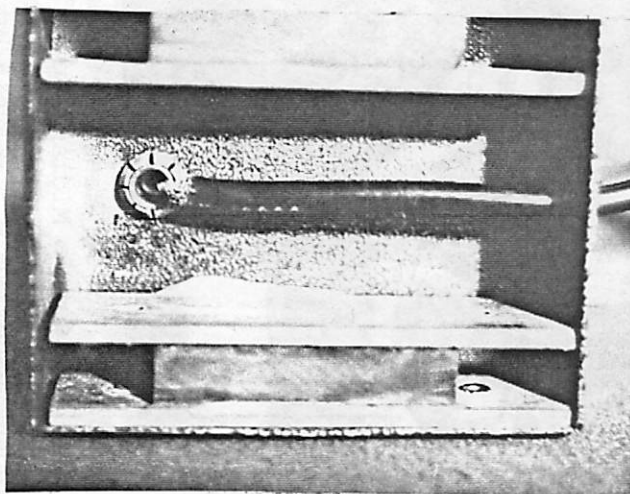
MEET
A
FELLOW
MEMBER



#110 Doug Bull, N7CDI. Has a nice Heathkit station & uses an IC260 for 2m base. Mini-quad and dipoles for HF work. Sales Manager for a commercial fire alarm system company. Second hobby is photography.



#170 Terry Biggs, WB7CHK. HF is Yaesu 101EE using wire. A Kenwood TS700A for 2m base & a Midland on 220mhz. He has a HUGE workshop. Engineering Technician for Tek. Enjoys rifle & handgun shooting & loads his own.

A (technical?) TIP by WB7SIC

The picture on the left hand side shows the bottom of a Larsen mag mount with the interior exposed. The problem encountered with this particular mount was a loss of ground and it was caused by two things. You will note that the coax has no form of retainment. A pull on the coax, whether by accident or otherwise, puts a great deal of strain on the braid and center conductor at their attachment points.

It is obvious, both in the first and second picture, that the braid has been separated from the brass sleeve. Oddly enough, there is no evidence of the braid being soldered but not having had the chance to inspect a healthy mount, it is assumed that the braid is a press fit into the sleeve. If so, it would make more than an adequate arrangement were it not for the fact that the coax has no retainer.

The third picture shows the brass sleeve as well as the center conductor insulator. There is a considerable amount of exposed center conductor shown. More than enough to make physical contact with ground. In all fairness, the coax may have been accidentally pulled, causing the braid to be pulled loose and stretching of the center conductor past it's limit of protection.

Assuming that the center conductor is factory trimmed to proper length and that the braid is a firm press fit, I would say that Larsen has a good and simple design. EXCEPT for the coax retainer! Fix that and no one should ever have a problem under normal usage.

The mount shown is an older model which has cracks at each corner of the base. The braid showed a lot of deterioration from weather and was quite grey in color up to about 2" into the jacket. Larsen has an improved base now which is sealed at the corners and this will be of great help in keeping out water. BUT, the new mount has no rubber grommet where the coax enters the base and, as in the old style, no coax retainer!

Any article which presents problems should have some suggestions for their solution. My suggestions for a foolproof mag mount are to carefully remove the thin metal base (it is glued on) and design a method for securing the coax. Also, put a good sealer, which will not attack the coax jacket, on both the outside and inside of the base where the coax enters. Before replacing the bottom cover, scrape the magnet edges free of glue residue and re-glue with a non-rubberized, water-proof cement. Sparingly! As an option, place a bead of elastic sealer around the inside, bottom edge of the mount. This will help seal the bottom from moisture. REMEMBER. If water can get in it must have a way to get out. If you are unsure of your ability to completely seal the unit, leave it as the factory designed it. Just solve the coax retainer problem.

Larsen is a good company. They spend multi-thousands of dollars in making sure that their antennas produce the best results for your money. As a result, their antennas perform! A simple mechanical addition will make their mounts perfect!!



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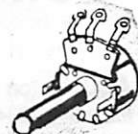
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Did you realize the extent of Al's holiday spirit! His Christmas lights are already up.

Al is ready for the next bunny hunt. he has a remote controlled D.F. antenna on a 52' tower somewhere near Cascade Blvd. (Pictures next month)

This is your column! Do you have any ideas Your nickles and dimes will keep it going and put a few barbs on the other side.

A little humor never hurt anyone!!

L J N

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THIS MONTHS PROGRAM

We are in for an unusual treat this month. Some of the members, most likely, have not heard of the Marissa ARC. This club is located in Marissa, Illinois and they are REALLY into repeater systems. The program they offer, which is in slide format, is available through them and also the ARRL. It is called: "State of the Art VHF Repeater System". It is a 60-slide program with taped narrative and music background. Some of the features of their system are a 2m to 10m SSB link, voice ID tape with over 50 voices to choose from and 2 beacons. There is more!! This is about a 20 minute program and as a result, we will have an hour break in the meeting so as to qualify our March get-together as a SOCIAL NITE!!! As a side note, the Marissa club is working with AMSAT on a repeater system that will enable members to talk to Europe on 2m!! This is going to be VERY interesting. An added plus. We get to try out our GIANT projection screen. It has to be at least 8' by 10' and with the seating arrangement at our new quarters, nobody will have a viewing problem. DON'T MISS THIS PROGRAM!!!!

SEE PAGE 2 FOR THE MARISSA-EUROPE AMSAT LINK-UP.....

AN ALTERNATIVE (convention)

As the club motel is out of the lower cost rooms, the Sundowner is suggested. It is owned by the same people and is very nice. The location is good and it has the same features as the Landmark Motor Inn. The Sundowner is about 2 blocks from the convention center and as noted, only a half block from the beach and Main Street.

If we can't get all of the club members in one place, perhaps we can in two. Give it some thought, if you will, and join your fellow members in the festivities.

FINAL Comments

This was the first attempt with the 'Happy Hams' picture page and it is evident that more light is needed. It will get better with practice. Maybe we have a member who would get a kick out of using his talents and photo gear to give us a grade-A job for pictures? Take a few pics, some notes and pass it on. We will do the rest. Any takers?

Sorry to give Wes, K7WWG, such short shrift on the subject of ELECTRICAL CONNECTORS. It is important for those of us who are into emergency preparedness and it will be even moreso when our emergency trailer is completed. Look for Wes at the meeting and sign up. The cost is low and the potential benefits great!!

ESP? Want to thank LJN for his purchase of 2 ad spaces this month. I kind of had the idea that some of the members may want to put in some comments and on page 8 of this issue, made the offer for letters to the editor. Poor Dave, in his state of computerized life, never thought of the idea. Dave, the club thanks you for the \$20.00 donation. Hope that next months proceeds will be as good. Maybe CRQ may do the same?? All 'PAID' insults are gladly accepted.....

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